

What is claimed is :

1. A fan for cooling an electronic device, comprising:
a plurality of blades rotatably supported by an axis;
an outlet; and
5 an inlet having a shape started from a reference
point thereof with respect to the outlet,
wherein the blades are partially covered by the inlet
from the reference point, and an area of the blades
covered by the inlet is from a maximum to a minimum
10 gradually in a closed loop, thereby increasing a heat
dissipation capability of the fan.
2. The fan of claim 1, wherein the fan is a centrifugal
fan.
3. The fan of claim 1, further comprising a housing
15 form mounting the blades therein wherein the housing
comprises an inlet on the top and the bottom surface
thereof and an outlet at a side.
4. The fan of claim 2, wherein the inlet is concentric
with respect to the housing
- 20 5. The fan of claim 2, wherein the inlet is eccentric
with respect to the housing.
6. The fan of claim 1, wherein the inlet has a volute
shape.
7. The fan of claim 1, wherein the blades have the
25 same shape and the blades are equally spaced around

the axis.

8.The fan of claim 1, wherein an area of the blades covered by the inlet is calculated from outside of the blades to the axis of the blades.

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